

Theory and Use of Integration Amplifiers for
Purpose of Magnetic Measurement, by H. Lange
H. van Kempen.
GERMAN, per, Z. fur Angew. Physik, Vol 16, No 5,
1963, pp 342-347.
BIBI 6999

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sept 69

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G. Boehme

Adhesion of Small Particles to Solids. Part I.
Measurements of the Adhesive Forces in Gaseous
Media.

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Vol 16, 1964, pp 486-490.

NTC 72-13905-07D

Nov 72

Lattice Constant Determination With X-ray
Goniometers Taking Into Account High-Temperature
Techniques, 20 pp, by H. Ebel.
GERMAN, por, Zeitschrift für Angewandte Physik,
Vol XVI, No 6, 1964, pp 490-498, 9230316.
AEC AERE-tr-1027

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Sci-Phys
Nov 65

Saturation Magnetization of Barium Ferrite Powders
After Various Milling and Annealing Treatments, by
G. Heimke.

GERMAN, per, Zeitschrift fuer Angewandte Physik,

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NTC-71-10454-20C

Nov 71

Atomiserburner Combination With Three Suction
Capillaries for Flame Spectrophotometry, by
W. Lang, K. Rudiger, R. Herrmann.
GERMAN, per, Z. Angew. Physik, No. 17, 1964,
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Sci -
Aug 67

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Modulation of Light by Means of Electrically
Birefringent Crystals, by Gerhard Grau, Karl
Gurs, et al., 7 pp.
GERMAN, per, Zeitschrift fur Angewandte Physik,
Vol XVII, 1964, pp 16-20, Excerpt: pp 18-20,
9230268.
AEC SCT-65-750

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Sci-Phys
Nov 65

Wall Structure in Thin Magnetic Films, by
Ernst Feldkeller, Ekkehard Fuchs, 8 pp.

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GERMAN, per, Zeitschrift fur Angewandte Physik, Vol 18,
No 1, November 1964, pp 1-4, 5.

ARM/FSTC/HT-23-1223-71

Nov 71

Experience with the Five-Electrode Filter Lens,
by J. Kessler, H. Lindner.
GERMAN, per, Zeitschrift fur Angewandte Physik,
Vol 18, No 1, 1964, pp 7-9.
NASA TT F-11,105

NTC 72-10273-20F

GOVERNMENT USE ONLY

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Sept 67

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A Helix Linear Accelerator for Electrons as a
Model for a Proton Accelerator, by Horst Klein,
23 pp.

GERMAN, per, Zeit. Angew. Phys., Vol 18, 1964,
pp 143-149;

AECL-2287

Sci/Physics

Apr 67

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The Diffusion and Permeation of H₂ in Alpha-Fe,
by R. Wagner.

GERMAN, per, Z. Angew. Physik, 18, 1964,
pp 193-199.

*NBS TT 70-57308

Sci-Mat
Aug 70

Glow Experiments with Selenium Photocells,
by F. Bestenreiner,
GERMAN, per, Zeitschrift fuer Angewandte
Physik, Vol 18, 1964, pp 323-9.
ATS-091810

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Sci - Physics
Jul 67

A Universal Electric Strip Measuring Device,
by W. Krug.
GERMAN, per, Z. Angew. Physik, Vol 18, 1965,
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*DISI 6998

Sci-Mat
Apr 69

Experiments with Synchrotron Radiation,
by R. Haensel, C. Kunz.
GERMAN, per, Zeit fur Ang. Phys., Vol 23,
No 4, pp. 276-95.
NLL Ref 5828.4F (M.13091)

Sci-Phys
July 69

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The Sound Pulse From a Spark Discharge in a
Fluid, by Edwards Bailitis, 13 pp.

GERMAN, per, Z fuer Angewandte Physik
Einschliesslich Nukleonik, Vol IX, No 9,
1957, pp 429-434. 9072885

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Sci - Phys
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The Intensity Distribution in Steam and Molecular
Jets, by K. G. Gunther.

GERMAN, per, Z Angewandte Physik Einschl Nucleonik,
Vol IX, No 11, 1957, pp 550-556.

*TIL T-5125

Sci - Phys

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On the Relation of the Child to the Animal, by
A. M. Kruger,
GERMAN, per, Z Angew Psychol, Vol XLVII, 1934,
pp 9-64.
HEW NIN 3-28-67

Sci-B60
Apr 67

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by Th. Hettinger. 8 pp.
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NASA TT F 14,094

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Plant Virus in the Carrier and Insertion into the Plant,
by K. Heinze.

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Sci -

Aug 67

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Biochemical Investigations of Susceptible and
DDT-Resistant Strains of *Drosophila*
Melanogaster, by S. Puschmann.

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1961, pp 199-214.

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B. Thuringiensis Berliner and its Action on the Flour
Moth A. Kuehniella (Zell), by A. Krieg.
GERMAN, per Z. angew Zool. Vol. 51, No. 1, 1964,
pp 13-23
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Sci -
Aug 67

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Studies on the Heavy Metal Poisoning of Fishes. 1.
Lead Poisoning of Rainbow Trout, by G. Haider.
GERMAN, per Z. angew. Zool. Vol. 51, No. 3, 1964,
pp 347-368

Sci -
Aug 67

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Phosphorus Compounds of Covalt, by
S. Zemczuzny, J. Schepelew.
GERMAN, per, Zeit fur Anorganische und Allgemeine
Chemie, Vol LXIV, 1904, pp 245-257.
TC-203

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TT-63-20502

I. Moldenhauer, W.

Moldenhauer, Wilh.
ON THE ACTION OF OXYGEN AND STEAM ON
MAGNESIUM CHLORIDE. [1963] 16p (figs omitted)
9refs

Order from SLA \$1.60

TT-63-20502

Trans. of Zeitschrift für Anorganische und Allgemeine
Chemie (Germany) 1906, v. 51, p. 369-390.

DESCRIPTORS: *Magnesium compounds, *Chlorides,
Oxides, Hydroxides, *Oxygen, *Steam, Chemical
equilibrium, Thermochemistry.

(Chemistry--Inorganic, TT, v. 11, no. 3)

Office of Technical Services

63-18173

I. Dukelski, M.

Dukelski, M.
EQUILIBRIA IN THE SYSTEM: $(\text{CH}_3\text{CO})_2\text{O} \cdot \text{B}_2\text{O}_3 \cdot \text{H}_2\text{O}$ AT 30° . [1963] [6p]
Order from SLA \$1.10

63-18173

Trans. of Zeitschrift für Anorganische und Allgemeine Chemie (Germany) 1909, v. 62, p. 118-122.

DESCRIPTORS: *Acetic acids, *Boric acid, Water,
*Chemical equilibrium, *Phase studies.

(Chemistry--Physical, TT, v. 10, no. 11)

Office of Technical Services

On the Binary Systems of the Sodium Meta-silicates with Lithium Magnesium, Calcium, Strontium, and Barium Meta-Silicate; The Lithium Meta-Silicates with Potassium, Magnesium, Calcium, Strontium, and Barium Meta-Tem $\text{Na}_2\text{O}-\text{Al}_2\text{O}_3-\text{SiO}_2$, by E Robert C. Wallace, 26 pp.
GERMAN, per, Z Anorg und Allgemeine Chemie, 1909, vol 63, No 1, pp 1-48.
SLA TT 64-18213

Jul 66

305,458

Studies of the U-Pu-C-Ti Compounds,
by U. Kuch, H. Steinmetz.
GERMAN, per, Zeit. Anorg. und Allg. Chem.,
Vol 77, 1912, pp. 51-89.
NLL Ref: 5828.4F (M.7496)

Sci-Chem
July 69

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Lely, D. and Hamburger, L.
PREPARATION OF THE ELEMENTS THORIUM,
URANIUM, ZIRCONIUM AND TITANIUM. [1963] 11p.
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Order from SLA \$1.60

63-14303

Partial trans. of [Zeitschrift für Anorganische und
Allgemeine Chemie] (Germany) 1914, v. 87,
p. 209-222.

DESCRIPTORS: *Thorium, *Uranium, *Zirconium,
*Titanium, *Chlorides, Sodium compounds, Reduction
(Chemistry), Purification, Chemical reactions.

(Chemistry--Inorganic, TT, v. 10, no. 4)

63-14303

I. Lely, D.
II. Hamburger, L.

Office of Technical Services

Boron Steels, by G. Hannesen, 17 pp.

GERMAN, per, Z Anorg u Allgem Chem, N Vol XXIX,
1914, pp ~~257-278~~.

SLA 2292

Sci - Minerals/Metals
Oct 57

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Peroxides of the Alkaline Earths, by
E. H. Riesenfeld, W. Mottebohm.
GERMAN, per, Zeitschrift für Anorganische
und Allgemeine Chemie, Vol 89, 1914,
pp 405-413.
NASA TT F-11,641

Sci/Chem
Oct 68

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The Reciprocal Salt Pairs DCl Plus NaNO_3
Goes Reversibly into KNO_3 Plus NaCl and the
Preparation of Conversion Saltpeter,
by W. Reinders.

GERMAN, per, Zeit. fuer Anorganische und
Allgemeine Chemie, Vol 93, No 3, 1916,
pp 202-212.

SIA TT-66-10206

Sci-Chem
Aug 66

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Exact Measurement of Electrical Conductivity of Electrolytes at Temperatures up to 1600° C., by F. M. Jaeger, B. Kapma, 43pp. GERMAN, per, Zeitschrift fur Anorganische und Allgemeine Chemie, Vol 113, 1920, pp 27-58. K-H-2804 b.

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Sci - Chemistry
Mar 67

Beryllium Nitride, by Fr. Fichter, Emil Brunner,
13 pp.

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Allgemeine Chemie, Vol XCIII, 1915, pp 84-94.
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AEC-NCRL-Tr-990(EL)

Sci - Mat & Met

246, 257

Dec 63

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Preparation and Chemical Behavior of Tetramethyl-
disilazane and Related Compounds [1], by
Heinrich Kriegsmann, Gunter Engelhardt, 14 pp.

GERMAN, per, Z. fuer Anorg. und Allg. Chem.,
Vol CX, No 1/2, pp 100-199.

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Sci - Chem

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Oct 61

Approximate Calculations for Univariant Systems,
by J. A. M. van Liempt.

GERMAN, per, Zeit fuer Anorganische und
Allgemeine Chemie, Vol III, 1920, pp 280-288.

Dept of Navy Tr 4462/APL/JHU T-1599

296, 450

Sci-Chem

Feb 66

63-20463

Jaeger, F. M. and Kapma, B.
EXACT MEASUREMENT OF ELECTRICAL CON-
DUCTIVITY OF ELECTROLYTES AT TEMPERA-
TURES UP TO 1600°C. [1963] 43p (figs omitted) 52refs
Order from SLA \$4.60 63-20463

I. Jaeger, F. M.
II. Kapma, B.

Trans. of Zeitschrift für Anorg[anische und]
Allgem[eine] Chem[ie] (Germany) 1920, v. 113,
p. 27-58.

DESCRIPTORS: *High temperature research, *Elec-
trolytes, *Electrical conductance, Measuring devices
(Electrical and Electronic), Electrochemistry, Metals,
Salts.

(Chemistry--Physical, TT, v. 10, no. 12)

Office of Technical Services

Investigations on the Compound Formation and
Electromotive Behavior of Cerium in its Alloys
with Iron and Zinc, by Fritz Olotofski, 21 pp.

GERMAN, per, Zeit fuer Anorganische und Allgemeine
Chemie, Vol CXIV, ~~1921~~ 1920, pp 1-23, 9207679.

AEC-Tr-5674

Sol - Mat & Mat

Jun 63

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Investigations on the Salt-Like Nature
of Lithium Hydride, by Kurt Moers.
GERMAN, per, Z fur Anorganische und
Allgemeine Chemie, Vol CCIII, 1920,
pp 179-228. 9231678
AEC-UCRL-Tr-1254(L)

Sci - M/M
Jan 66

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Tungsten-Nickel Alloys, by R. Vogel, 8 pp.

GERMAN, per, Z fuer Anorg Allgem Chem, Vol CXVI,
1921, pp 231-242.

SLA Tr 192/1955

Sci - Min/Met

Jul 57

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LB/G-3061 Uncl.

THE PREPARATION OF HYDROGEN TELLURIDE FROM
METAL TELLURIDES. Moser, L.; Ertl, K. Translated by
R. G. P. Towndrow and J. B. Sykes (Atomic Energy Research
Establishment, Harwell, Eng.), from Z. Anorg. Allg. Chem.;
118: 269-83(1921). 23p.

chemistry (inorganic); translations

ND-4 NP RC

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Investigations of the Rate of Diffusion in Gold-Silver Solid Solutions and the Measurement of the Coefficient of the Diffusion of Gold in Silver at 870°C, by W. Fraenkel, H. Houben, 49 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol CLX, No 1, April 13, 1921, p 1.

SIA 57-2280

Jul 58

69, 970

Velocity of Action of Oxygen, Hydrogen Sulfide
and Halogens on Metals, by G. Zemann and W. Koster,
21 pp.

Full translation.

GERMAN, por, Zeitschrift fuer anorganische und
allgemeine Chemie, Vol CXXIII, Aug 1922, pp 196-201,
203, 224.

WACA TM 1339

Sci - Minerals/Metals

Aug 52 CTS

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On the Formation of Sulphur During the Action
of Sulphur Dioxide on Calcium Sulphide, Zinc
Sulphide and the Iron Sulphides, by Wohler,
Lothar, Martin, E. Schmidt, 36 pp.

GERMAN, per, Z fuer Anorganische und Allge Chem,
Vol CXXVII, 1923, pp 273-294.

SIA Tr 849/1955

Sci - Chem

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Jul 57

TT-64-16741

Ruff, Otto and Neumann, Franz.
REDUCTION OF INORGANIC HALIDES. II. REDUCTION
OF TITANIUM TETRACHLORIDE. 27p (2 figs omitted)
12 refs.

Order from SLA \$2.60

TT-64-16741

Trans. of Zeitschrift für Anorganische und
Allgemeine Chemie (Germany) 1923, v. 128 [no. 1]
p. 81-95.

Other translations are available from SLA as
no. 2104 (112)p. and from K-H \$26.00 as K-H-5309, 26p.

I. Ruff, O.
II. Neumann, F.
III. Title: Titanium...

(Chemistry--Inorganic, TT, v. 12, no. 4)

Office of Technical Services

Ruff, Otto and Wallstein, Richard
REDUCTION OF INORGANIC HALIDES, PT. 3. THE
REDUCTION OF ZIRCONIUM TETRACHLORIDE.
[17p] 6 refs.
Order from SLA \$1.60

TT-60-16766

TT-60-16766

I. Ruff, O.
II. Wallstein, R.
III. Title: Reduction ...

Trans. of Z[eitschrift für] Anorg[anische und]
Allge[meine] Chem[ie] (Germany) 1923, v. 128 [no. 1]
p. 96-116.

(Chemistry--Inorganic, TT, v. 12, no. 7)

Ruff, O. and Brintzinger, Herbert.
REDUCTION OF THORIUM, ZIRCONIUM, AND
TITANIUM DIOXIDES. [1963] 12p. (fig. omitted)
56 refs.
Order from SLA \$1.60

63-14304

Trans. of Z[eitschrift für] Anorganische und
Allgemeine Chemie (Germany) 1923, v. 129,
p. 267-275.

DESCRIPTORS: *Thorium compounds, *Zirconium
compounds, *Titanium compounds, *Dioxides,
*Reduction (Chemistry), *Chlorides, Sodium, Calcium,
Alcohols.

(Chemistry--Inorganic, TT, v. 10, no. 4)

63-14304

I. Ruff, O.
II. Brintzinger, H.

Office of Technical Services

Note on the Temperature Coefficient of Electrical
Conductivity, by Wilhelm Biltz, 8 pp.

GERMAN, per, Z. anorg Allgem Chem, Vol CXXXIII,
1924, pp 306-311.

S.L.A. - AL-58

SLA TT-63-20768 (10 pp)

Scientific - Chemistry

OTS 68/May 55

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TT-64-10124

Biltz, Wilhelm.
FUSED ELECTROLYTES, BORN'S LATTICE FORCES
AND THE CONSTITUTION OF THE SALTS, [VII].
[1963] [19p] 43refs
Order from SLA \$1.60

TT-64-10124

Trans. of Zeitschrift für Anorg[anische und Allge-
meine] Chem[ie] (Germany) 1924, v. 133, p. 312-324.
Another trans. is available from SLA as AL-59, 18p.

(See also 63-20768)

DESCRIPTORS: *Fused materials, Salts, Electrolytes,
*Chlorides, Classification, *Crystal lattices,
Electrical conductance, Valence, *Atomic orbitals,
*Electrochemistry,

(Chemistry--Physical, TT, v. 11, no. 5)

I. Biltz, W.
II. SLA-AL-59

Office of Technical Services

Tammann, G. and Nikitin, N.
CONCERNING THE PYROPHORITY OF METAL
POWDERS. [1963] [6]p. (figs. omitted) 12 refs.
Order from SLA \$1.10 63-16767

Trans. of Z[schrift für] Anorg[anische] u[nd]
Allg[emeine] Chem[ie] (Germany) 1924,
v. 133, p. 201-204.

DESCRIPTORS: *Metal powders, *Pyrophoric
materials, Combustion, Flammability.

(Chemistry--Inorganic, TT, v. 10, no. 7)

63-16767

I. Tammann, G.
N. Nikitin, N.

Office of Technical Services

X-Ray Spectrographic Investigation of Aging
Metal Hydroxides, by R. Fricke, F. Wever,
2 pp.

GERMAN, per, Z. fuer Anorg u. Allgem. Chem,
Vol CXXXVI, 1924, pp 321-324.

AEC Tr 2167

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Jul 55 CES

Scientific -- ~~Minerals~~ --, Chemistry

TT-63-20780

Lorenz, Richard.
EQUILIBRIA BETWEEN METALS AND SALTS IN THE
MELT. NO. 4 CONTRIBUTION TO THE THEORY, II
[1963] 8p 5refs
Order from SLA \$1.10 TT-63-20780

Trans. *Z[schrift für] Anorg[anische und,
Allgemeine] Chem[ie] (Germany)* 1924, v. 138,
p. 285-290.

Another trans. is available from SLA as AL-423, 8p.

DESCRIPTORS: *Fused materials, *Salts, Metals,
*Chemical equilibrium, Theory, *Cadmium compounds,
*Thallium compounds, *Lead compounds, *Chlorides.

(Chemistry--Physical, TT, v. 11, no. 4)

I. Lorenz, R.
II. Title: Contribution ...
III. SLA-AL-423

Office of Technical Services

Contributions to the Study of Sulfurous Acid and
Its Salts II, On the Decomposition of Salts
of Sulfurous Acid on Ignition, by F. Foerster,
K. Kubel.

GERMAN, per, ~~Z. fuer Anorgan und Allgemeine~~
Chemie, Vol CXXXIX, 1924, pp 261-292.

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Sci - Chem
Nov 62

The Chemistry of Lithium, III Lithium Hydride,
by G. F. Huttig, Krefswski.
GERMAN, per, Z für Anorganische und Allgemeine
Chemie, Vol CXLII, 1924, 133-160. 9280332
UCRL Tr 0255(L)

Sci - Chem
Jan 66

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Concerning the Glowing of Certain Metal Oxides,
by J. Bohn, 37 pp.
GERMAN,
KORREKT, per, Z. Anorg. und Allgem. Chem., Vol CXLIX,
1925, pp 217-222. 9093632

AEC Tr-4804

Sci - Chem
Dec 61.

177, 410

A Contribution to the Understanding of Complex
Uranylcarbonates, by J. Arvid Hedvall

GERMAN, per, Zeit Anorg und Allgem Chem,
Vol CXLVI, 194 1925, pp 225-229.

ABO Tr 2436

Scientific - Chemistry
Apr 56 GTS/dex

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The Electro-Chemical Reduction of Electrodes. #1
2. The Coulomb Meter, by K. Fischbeck, 10 pp.

GERMAN, per, Z. Anorg. u. Anorg. u. Allgem. Chem.,
Vol. CXLVIII, No. 1, Sept 25, 1925, p. 99.

SLA 57-2442

Jul 58

69, 967

The Determination of the Noble Metal Content of
Rhine Water, by F. Haber, J. Jaenicks, 9 pp.

GERMAN, S per, Z. Angew. u. Allgem. Chem, Vol CXLVII,
1925, pp 156-170.

SLA R-3421

Sci

Aug 59

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Preparation of Pure Titanium. Zirconium Hafnium and
Thorium Metal, by A. E. Arkel, J. H. Boer, 10 pp.

GERMAN, per, Z. anorg u Allgem. Chem, Vol CXLVIII,
Oct 29, 1925, pp 345-350.

SLA 57-2076

Sci

Jun 58

65, 878

Contributions to the Phosphorus Chemistry I.
Colorless Phosphorus, by Ludwig Wolf, Käthe
Ristau, 8 pp.

GERMAN, per, & Z. Anorg u Allgem Chem, Vol CXLIX,
1925, pp 403-412.

CIA/FDD XX-228

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Sci - Chemistry

Oct 1956

IAC INTERNAL USE ONLY

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Suhrmann, Rud. and Clausius, Klaus.
THE PREPARATION OF PURE ALKALI METALS.
[1963] 10p. (figs. omitted) 14 refs.
Order from SLA \$1.10 63-16170

Trans. of [Zeitschrift für Anorganische und Allgemeine
Chemie] (Germany) 1925 [v. 152] p. 52-58.

DESCRIPTORS: *Alkali metals, Purification, Preparation,
Degasification.

(Metallurgy, TT. v. 10, no. 7)

63-16170

I. Suhrmann, R.
II. Clausius, K.

Office of Technical Services

Klemm, Wilhelm and Biltz, Wilhelm.
FURTHER CONTRIBUTIONS TO THE KNOWLEDGE OF
THE CONDUCTIVITY OF FUSED SALTS. [1963]
15p (figs omitted) 24refs
Order from SLA \$1.60

TT-63-20778

Trans. of Z[eitschrift für] Anorg[anische und]
Allgemeine] Chem[ie] (Germany) 1926, v. 152,
p. 225-234.

Another trans. is available from SLA as AL-379.

DESCRIPTORS: *Fused materials, Salts, *Chlorides,
Mercury compounds, Yttrium compounds, Lanthanum
compounds, Zinc compounds, Calcium compounds,
Tin compounds, *Electrical conductance.

(Chemistry--Physical, TT, v. 11, no. 4)

TT-63-20778

I. Klemm, W.
II. Biltz, W.
III. SLA-AL-379

Office of Technical Services

Klemm, Wilhelm and Rockstroh, Joachim.
DENSITY MEASUREMENTS ON FUSED CHLORIDES
[X.]. [1963] [32p] 57refs
Order from SLA \$3.60

TT-64-10119

TT-64-10119

I. Klemm, W.
II. Rockstroh, J.

Trans. of Zeitschrift für Anorganische und Allgemeine Chemie (Germany) 1926, v. 152, p. 235-251.
Another trans. is available from SLA as 02095, 29p.

(See also 63-20778)

DESCRIPTORS: *Fused materials, Salts, *Chlorides,
Density, Electrical conductance, *Copper compounds,
*Thallium compounds, *Rubidium compounds, *Tin
compounds, *Zinc compounds, *Beryllium compounds,
*Yttrium compounds, *Lanthanum compounds,
*Scandium compounds, *Thorium compounds,
*Mercury compounds, *Electrochemistry,

(Chemistry--Physical, TT, v. 11, no. 5)

Office of Technical Services

TT-64-10125

Biltz, Wilhelm and Klemm, Wilhelm.
THE ELECTRICAL CONDUCTIVITY AND
MOLECULAR STATE OF FUSED SALTS, XII. [1963]
46p (figs omitted) 34refs
Order from SLA \$4.60

TT-64-10125

Trans. of Zeitschrift für Anorganische und Allge-
meine Chemie (Germany) 1926, v. 152, p. 267-294.
Another trans. is available from SLA as AL-60, 48p.

(See also TT-64-10119)

DESCRIPTORS: *Fused materials, Salts, *Halides,
Classification, Electrical conductance, Density,
Melting, Crystal lattices, Dissociation,
*Electrochemistry,

(Chemistry--Physical, TT, v. 11, no. 5)

I. Biltz, W.
II. Klemm, W.
III. SLA-AL-60

Office of Technical Services

Klemm, Wilhelm.
DENSITY AND MOLECULAR STATE OF FUSED
SALTS. [1963] 28p (figs omitted) 34refs
Order from SLA \$2.60 TT-63-20779

Trans. of Zeitschrift für Anorganische und
Allgemeine Chemie (Germany) 1920, V. 152,
p. 296-310.

DESCRIPTORS: *Fused materials, *Salts, *Chlorides,
Density, Molecular properties.

(Chemistry--Physical, TT, v. 11, no. 3)

TT-63-20779

I. Klemm, W.

Office of Technical Services

A Process for the Preparation of Large Crystals,
by S. Kyropoulos.

GERMAN, per, Zeitschrift für Anorganische und
Allgemeine Chemie, Vol 154, 1926, pp 308-313.

9233474

AEC UCRL-tr-10027

Sci./ Chemistry
Aug 66

306,339

TT-64-16060

Ruff, Otto, Fischer, Joseph, and Luft, Fritz.

NITROGEN-TRI-FLUORIDE (Das Stickstoff-3-Fluorid).
[1964] [16]p (foreign text included) 3 refs
Order from SLA \$1.60 TT-64-16060

Trans. of Z[schrift] für Anor[ganische] und
Allg[emeine] Chemie (Germany) 1928, v. 172, no. 1/3,
p. 417-425.

Other translations are available from SLA mi \$1.80
ph \$1.80 as TT-59-10243 and as II-923, 13p.

- I. Ruff, O.
- II. Fischer, J.
- III. Luft, F.
- IV. SLA-II-923

(Chemistry- Inorganic, TT, v. 12, no. 4)

Office of Technical Services

Stannous Phosphate, by K. Jablczynski,
W. Wieckowski, 4 pp.

GERMAN, no per, Zeit Fuer Anorg und Allg Chem,
Vol CLIII, 1926, pp 207-212.

CIA/PDD/XX-69
IAC INTERNAL USE ONLY

30,805

Scientific - Chemistry

~~RE~~ Feb 56 CTS/DEX

63-14131

Ruff, Otto and Thomas, Fritz.
BEHAVIOR OF NIOBIUM-- AND TANTALUM--5--
OXIDES IN THE PRESENCE OF CARBON TETRA-
CHLORIDE AND A METHOD FOR THE ANALYTIC
DETERMINATION OF NIOBIUM AND TANTALUM.
[1963] 15p. 10 refs.
Order from SLA \$1.60

63-14131

Trans. of *Zeitschrift für Anorganische und
Allgemeine Chemie* (Germany) 1926, v. 156;
p. 213-225.

DESCRIPTORS: *Niobium compounds, *Tantalum
compounds, *Oxides, *Carbon tetrachloride,
Chemical analysis, Determination, Chlorides,
Purification, Quantitative analysis, Reduction
(Chemistry).

(Chemistry--Analytical, TT, v. 10, no. 4)

I. Ruff, O.
II. Thomas, F.

Office of Technical Services

63-16150

Boer, J. H. de, Clausing, P., and Zecher, G.
A SIMPLE METHOD FOR THE MANUFACTURE OF
SMALL AMOUNTS OF POTASSIUM, RUBIDIUM AND
CESIUM METAL. [1963] 5p. (fig. omitted) 12 refs.
Order from SLA \$1.10 63-16150

I. Boer, J. H. de
II. Clausing, P.
III. Zecher, G.

Trans. of Zeitschrift für Anorganische und Allgemeine
Chemie (Germany) [1927, v. 160, p. 128-132].

DESCRIPTORS: *Potassium, *Rubidium, *Cesium,
Decomposition, Barium compounds, Azides, Chlorides,
Vacuum apparatus, Alkali metal compounds.

(Chemistry--Inorganic, TT, v. 10, no. 9)

Office of Technical Services

The System Aluminum-Thorium, by Ad. Leber,
12 pp.

GERMAN, per, Z Anorg und Allgem Chem, Vol CCLXVI,
1927, pp 16-26.

AEC Tr 2 3722

Sci - Chem

Sep 59

96,339

Tammann, G. and Veszi, G.
PRODUCING REVERSIBLE COLOR CHANGING IN
DOUBLE IODIDES BY RUBBING (Durch Reiben Erzeugte
Reversible Farbenänderungen von Doppeljodiden).
[1963] [6]p. (foreign text included).
Order from SLA \$1.10

63-16304

Trans. of Zeitschrift für Anorganische und
Allgemeine Chemie (Germany) 1927, v. 168, p. 46-48.

DESCRIPTORS: *Colors, *Iodides, Friction,
Temperature.

(Chemistry--Physical, TT, v. 10, no. 5)

63-16304

I. Tammann, G.
II. Veszi, G.

Office of Technical Services

Gold - Palladium - Nickel Alloys, by W. Fraenkel,
and A. Stern, 14 pp.

CLXVI
GERMAN, per, Z. Anorg U Allgem Chem, Vol CLXVI,
21 Sep 1927, p 161.

SLA 57-2447

Sci

Aug 58

69, 849

Colloid Syntheses by Titanium(III)-Chloride.
Report V. Colloid Bismuth and Colloid Antimony,
by A. Gutbier, Berta Ottenstein, F. Allam, 13 pp.

~~GERMAN~~

~~ANALYSIS~~, per, Z Anorg und Allgem Chem, Vol CLXIV,
1947, pp 287-296.

AEC UCRL-Trans-619(L)

Sci - Chem
May 61

150,387

Acid Decomposition of Iron Carbide, by Rudolf Schenck,
Robert Stenkhoff, 19 pp.

GERMAN, per, Z Anorg und Allgem Chem, Vol CLXI,
1927, pp 287-303. 9093522

AEC Tr-5111

Sci - Chem
Jul 62
List 70

204,714

Contributions to the Study of the Reduction of
Sodium Sulfate With Carbon, by P. P. Badnikoff,
A. N. Sysojeff, 7 pp.

GERMAN, per, Zeitschrift für Anorganische und
Allgemeine Chemie, Vol 170, 1928, pp 225-232.

P911279257

AEC A1 Tr-239

337,013

Sci - Materials
Sep 67

Deiss, E. and Schikoor, G.
CONCERNING FERROHYDROXIDE (IRON-2-HYDRIDE)
[1963] 13p. (figs. tables omitted) 12 refs.
Order from SLA \$1.60

63-18145

63-18145

I. Deiss, E.
II. Schikoor, G.

Trans. of Zeitschrift für Anorg[anische] und
Allg[emeine] Chem[ie] (Germany) 1928, v. 172,
p. 32-42

DESCRIPTORS: *Flotation, *Iron compounds, Hydrox-
ides, Hydrides, *Colloids, *Coagulation, Oxidation

(Chemistry--Inorganic, TT, v. 10, no. 11)

Office of Technical Services

Nitrogen-3-Fluoride, by Otto Ruff, et al., 13 pp.

GERMAN, per, Zeitschrift fuer Anorganische und
Allgemeine Chemie, Vol CLXXII, 1928, pp 417-425.

S.L.A. Tr 923/1956

Sci - Chemistry

39,208

The Nitrogen-3-Fluoride, by Otto Ruff, Joseph Fischer,
et al.

GERMAN, per, Z fuer Anorganisch und Allgemeine
Chemie, vol CLXXII, 1928, pp 417-425.

AEC-SCL-T-65-253

Sci-Chem
Jul 65

282,61207

Notes on the Reduction of Metallic Oxides, and the
Equilibrium of the Reaction $\text{Zn} + \text{CO}_2 \rightleftharpoons \text{ZnO} + \text{CO}$.
by Karl Jellinek and Potiechin, 6 pp.

GERMAN, per, A Zeits. Anorg. Allgem. Chem, Vol CLXXIII
1928,,pp 164-168

S. L. A. Tr 610/56

Sci - E Min/Met , Zinc Smelting 38,332

Aug 56 CTS/dex

Oxidation of Ferrous Hydroxide in Air, by Alfons
Krause, 1st ed.

F. (1) translation.

GERMAN, per, Zeit. für Anorg. und Allgemeine Chemie,
Vol CLXXIV, 1928, pp 145-162.

S.L.A.

Scientific - Chemistry

26,932

Jul 55

Peroxides of Titanium, Zirconium, Hafnium and Thorium,
by R. Schwartz, H. Giese, 10 pp.

GERMAN, per, Z Anorg u Allgem Chem, Vol CLXXVI, 1928,
pp 209-232.

SLA Tr 57-2057
(63-16764)

Sci

Jun 58

65, 889

Chlorine Fluoride, by Otto Ruff, Ernst Ascher.
GOVERNMENT USE ONLY
GERMAN, per, Z fuer Anorganische und Allgemeine
Chemie, Vol CLXXVI, 1928, pp 258-270. 9695515
DDC RSIC-250

Sci - Chem
Jan 65

270,700

The Equilibrium of Calcium and Sodium
With Their Chlorides With the Addition of
Lead and Antimony to the Metal Phase, by
R. Lorenz, R. Winzer, 21 pp.

GERMAN, per, Zeit fuer Anorganische und
Allgemeine Chemie, Vol CLXXXIII, 1929,
pp 127-139.

SLA TT-63-20770

Equilibrium Between Calcium and Sodium
and their Chlorides, by Richard Lorenz ,
Robert Winzer, 14pp.

GERMAN, per, Zeitschrift fur Anorganische
und Allgemeine Chemie, Vol 181, 1929,
pp 193-202.

K-H-1150 e

322,368

Sci- Chemistry

Mar 67

Lorenz, Richard and Winzer, Robert.
THE CALCIUM-SODIUM PHASE DIAGRAM. [1963]
7p. 5 refs. (figs. omitted).
Order from SLA \$1.10

63-16040

Trans. of Z[eitschrift für] Anorg[anische] und
Allg[emeine] Chem[ie] (Germany) 1929, v. 179,
p. 281-286.

DESCRIPTORS: *Calcium compounds, *Sodium com-
pounds, *Phase studies, Fused materials, Electrolysis,
Physical properties.

Some of the effects observed in fusion electrolysis are
explained.

(Chemistry--Physical, TT, v. 10, no. 5)

63-16040

I. Lorenz, R.
II. Winzer, R.

Office of Technical Services

Binding of Alkali Metals by Carbon, by V. K.
Fredenhagen, H. Suck, 13 pp.

GERMAN, per, Z Anorg und Allgem Chem, Vol CLXXVIII,
1929, pp 353-365.

AEC Tr 3397

Sci - Min/Met
Feb 59

81,293

Contributions to the Ceramics of Highly Refractory
Materials, I. The Forms of Zirconium Dioxide, by
O. Ruff, F. Ebert,

GERMAN, per, Z. Anorg und Allgem Chem, Vol CLXXX,
1929, pp 19-41.

ATS 565-GJ

Sci - Chem

Aug 60

123,924

Volume Changes During Neutralization, b, J. J.
Saslawsky, E. G. Stander, H. W. Towarov, 12 pp
CLXXX
GERMAN, per, Z Anorg u Allgem Chem, Vol 63, 1929, pp 241-251.

ABC Br 3513

Sci - Chem
Feb 59

81,290

Equilibrium Between Metals and Salts in the Melt.
No 18. The Equilibrium of Calcium and Sodium With
Their Chlorides on Addition of Pb and Sb to the
Metallic Phase, by Richard Lorenz, Robert Winzer, 19 pp.

Full translation.

BERMAN, per, Z. anorg. & Allgemeine Chem, Vol CXIXIII,
1929, pp 127-139.

S.L.A.-44-424
a 77-63-20770

Scientific - Minerals/metals

26,950

Jul 55

63-16859

Schenck, Rudolf, Franz, H., and Willeke, H.
EQUILIBRIUM INVESTIGATIONS ON REDUCTION,
OXIDATION AND CARBONIZATION PROCESSES
IN IRON, IX. [1963] 44p. 7 refs.
Order from SLA \$4.60 63-16859

Trans. of Zeitschrift für Anorganische und
Allgemeine Chemie (Germany) 1930, v. 184,
p. 1-38.

DESCRIPTORS: *Iron, Processing, *Carbonization,
*Oxidation, Reduction, *Chemical equilibrium,
thermodynamics.

I. Schenck, R.
II. Franz, H.
III. Willeke, H.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 7)

Office of Technical Services

Germanium, Indium, Niobium, Titanium and Hydrogen,
by H. Hagen, A. Sieverts, 14 pp.

GERMAN, per, Z Anorg und Allgem Chem, Vol CLXXXV,
1930, pp 225-238.

AEC/IORL-T/C-75

Sci - Chem

Nov 58

76,454

63-18127

Hüttig, Gustav, F. and Frankenstein, Wilhelm.
CONTRIBUTIONS TO KNOWLEDGE OF OXIDE-
HYDRATES. XVIII. CONTRIBUTION TO KNOWLEDGE
OF SYSTEM OF MAGNESIUM OXIDE-WATER
(Beiträge zur Kenntnis der Oxyhydrate. XVIII. Zur
Kenntnis des Systems Magnesiumoxyd/Wasser).
[1963] [22]p. (foreign text included) 8 refs.
Order from SLA \$2.60 63-18127

Trans. of [Zeitschrift für Anorganische und Allgemeine
Chemie (Germany) 1930, v. 185] p. 403-412.

DESCRIPTORS: *Magnesium compounds, *Oxides, -
*Hydrates, Water, Synthesis (Chemistry), *Dehydra-
tion, X-ray diffraction analysis, Phase studies.

(Chemistry--Inorganic, TT, v. 10, no. 11)

I. Hüttig, G. F.
II. Frankenstein, W.
III. Title: Contribution...

Office of Technical Services

Hüttig, Gustav, P. and Frankenstein, Wilhelm.
CONTRIBUTION TO KNOWLEDGE OF OXIDE-
HYDRATES. XIX. [CONTRIBUTION TO KNOWLEDGE
OF SYSTEM MAGNESIUM OXIDE-CARBON DIOXIDE]
(Beiträge zur Kenntnis der Oxidhydrate. XIX. Zur
Kenntnis des Systems Magnesiumoxyd/Kohlendioxyd).
[1963] [8]p. (foreign text included) 3 refs
Order from SLA \$1.10

63-18131

Trans. of [Zeitschrift für Anorganische und Allgemeine
Chemie (Germany) 1930, v. 185] p. 413-416.

DESCRIPTORS: *Magnesium compounds, *Oxides,
Hydrates, *Carbonates, *Carbon dioxide, Decompo-
sition, X-ray diffraction analysis, Phase studies,

(See also 63-18127)

(Chemistry--Inorganic, TT, v. 10, no. 12)

63-18131

I. Hüttig, G. P.
II. Frankenstein, W.
III. Title: Contribution ...

Office of Technical Services

The System Sodium Hydroxide - Sodium Nitrate
- Water, by E. Janecke, 19 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol
CLXXXVIII, 1930, pp 73-80.

AEC Tr 2360

Sci - Chemistry

30,091

Production of Alkali Metals by Reduction of
Their Compounds with Zirconium, by
J. H. De Boer and J. Broos, et al,
GERMAN, per, Z. Anorg. Allg. Chem., Vol
CXIX, 1930, pp 113-121.
*AEC-Windscale-Trans-305

Sci-Mech
Apr 67

Fusion Diagrams of High-heat Resistant Oxides, by H.
Wartenberg, H. Werth, 9 pp.

Full translation.

GERMAN, per: Z. anorg. u. allgemeine Chemie, Vol CXG,
1930, pp 178-184.

S.L.A.

Scientific - Chemistry

Aug 55

27,441

Urea Formation in the Systems Carbonic Acid-Ammonia
and Carbon Oxysulfide and Ammonia (Fundamentals
of a Technical Process in the Latter System), by
ALFONS KLEMENC.

GERMAN , per, Zeit fur Anorganische und Allgemeine
Chemie , 1930, vol.191, no.3, pp.246-282. —
SLA-TT-64-20384

Chem
Aug 66

307,780

The Behavior of Thoria in Tungsten Filaments, by
W. G. Burgers, J. Van Liempt, 25 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol CXCI, 10 Oct 1930, pp 144-160.

SLA Tr 57-2037

Sci

Jun 58

65,880

Iodine Heptafluoride, by Otto Ruff, Rudolf Keim,
10 pp.

GERMAN, per, Z Anorg u Allgem Chem, Vol ~~258~~ ^{CXCIII, 1930,} ~~258~~ ²⁵⁸,
pp 176-186.

AEC Tr 2632

Sci - Chemistry

40,169

Special Properties of Eutectic and
Eutectoid Mixtures in Binary Systems of
Metals, by P. Saldau. 19 p.
GERMAN, per, Zeitschrift fuer Anorganische
und Allgemeine Chemie, Vol 194, 1930,
pp 1-37.
SIA TT-66-10444

Sci-MEM
Jul 66

306,073